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OFFICE OF THE SECRETARY

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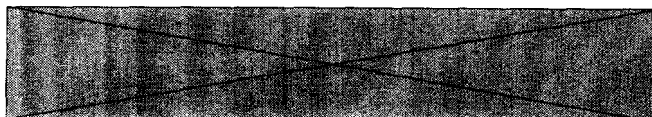
January 25, 2001

Roger Holberg and
Mania Baghdadi
Mass Media Bureau
Federal Communications Commission
Washington, DC

Dear Sir or Madam:

I was reading your docket 00-39 report and order regarding the DTV transition and desire for input regarding receivers. I have several ideas about DTV. Why the FCC seems to want to push out the old technology in every case I'm not sure. When FM came along AM was said to be doomed to failure. But both have found a place and are useful for various formats of information. Why did you not set up a DTV band and a NTSC analog band? Such as DTV on VHF and NTSC on UHF? There will always be applications where NTSC will be the desired method such as CCTV where an rf carrier is desirable. Pooling resources in a market makes sense. Rather than have several DTV channels let some of the stations join together on one channel and each station use one of the 6 standard DTV transponders. As a station got some of the overhead paid off then other channels could be built and HDTV capability added.

In reference to TV sets I would like to see sets made with a standardized tuner buss (edge connector) where a tuner module is to be plugged. The tuner module could be DTV, NTSC, video game, pattern generator test card, etc. There should be connections where video, stereo audio, horizontal and vertical sync, DTV/NTSC/PAL/Secam, etc select pin (to set horizontal and vertical frequencies), and channel selection data, etc would be passed through this connector to/from the



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tuner module. The antenna would plug into the tuner module directly. This would also make possible easy connection of game packages to the TV by changing modules. Other accessories would also be developed by the market. A second connector and slot should be provided for games, etc. The tuner should be possible to slide in and out easily and all tuners should be compatible with each other regardless of the manufacturer. This would give competition among the tuner makers and servicers could swap out tuners easily in the field. It would simplify troubleshooting of these sets. All TVs in the market should be made with this connector and a given tuner. This way sets sold today even with an NTSC tuner module could easily be converted to digital by plugging in a DTV tuner module. In this way we would not be discarding TVs when a conversion is made to digital either. All sets should be made with this standardized connector. Some engineering is needed in the horizontal / vertical circuits to accommodate changes in frequencies among formats, but I think it can be done.

I hope these ideas prove helpful.

Sincerely,

Roger Doering, Engineer